

REMARKS

This is responsive to the Office Action dated May 23, 2002. A petition for extension of time is enclosed.

Formal Matters

The specification has been checked and errors are being corrected.

The Examiner required an Abstract. A new Abstract is attached as a separate page at the end of Appendix A. The new Abstract is a copy of the PCT Abstract which is already in the Examiner's file.

The Examiner objected to the drawings on the ground that the ELT (Emergency Localisation Transmitter) and the access control circuit of claims 22 and 23 are not shown. The access control circuit is described in the paragraph bridging pages 7 and 8. The ELT is described near the top of page 8. And, in addition, a device for measuring radiation is mentioned near the bottom of page 7. These descriptions are in conjunction with the description of Fig. 8a.

Attached is a copy of Fig. 8a showing a proposed amendment in red. It is proposed to amend Fig. 8a to include a block 70. A new paragraph is being added on page 8 which states: "The radiation-measuring device, access control circuit and ELT are illustrated schematically at 70 in Fig. 8a." Thus, the ELT and access control circuit of claims 22 and 23, and the radiation measuring device of claim 4, are illustrated in the amended Fig. 8a. Approval of these amendments is requested.

The Examiner presented objections to several portions of the claim language. Appropriate non-limiting amendments are being made. The Examiner is requested to review claims 13 and 22 especially, since the amendments therein are different from the amendments the Examiner proposed.

35 U.S.C. 112 Rejections

At pages 5-8, the Examiner presented indefiniteness rejections of claims 1-23. The claims were written in Switzerland according to the practice of that country. Because of these different requirements, it has been necessary to substantially amend the claims. However, the

scope of the claims is not being limited by these amendments. If anything, the claims are being broadened by the removal of unnecessary limitations. The Examiner is requested to review the amended claims and withdraw the rejections under 35 U.S.C. 112, second paragraph.

Prior Art Rejections

Claims 1-3, 5-8, 12-13, 15-19 and 21-22 have been rejected under 35 U.S.C. 103 as being unpatentable over Schaub, U.S. Patent 4,854,045. Claims 4 and 11 have been rejected over Schaub in view of Vinci. Claims 9 and 20 have been rejected as being unpatentable over Schaub and Vinci, further in view of Myer. Claim 14 has been rejected as being unpatentable over Schaub and Vinci, further in view of Yamaguchi et al. Claim 10 has been rejected as being unpatentable over Schaub, in view of Tymkewicz et al.

The rejections are respectfully traversed. Although claim 1 has been amended to improve its form, and remove unnecessary limitations, no additional claim limitations are needed in order to patentably distinguish the invention from the Schaub reference, considered either individually or in combination with the secondary references.

The Schaub patent describes a pocket knife, to which different tool modules can be connected. Some of the modules are electronic devices, such as a radio receiver, a data storage device, etc., which can be connected by electric contacts. But there is no description of "a measuring and display" device, a measuring sensor, etc., for measuring any physical property which is integrally incorporated with the pocket knife. This is an important feature of the present U.S. patent application, recited in claim 1, that all components are integrally incorporated into the multifunctional tool. In other words, the invention avoids any need to attach an external sensor or measuring means to the tool, e.g. via an interface, because this would not fulfill or solve the problems to which the present invention was directed (see pages 1-1a).

Vinci describes a measuring instrument which may be connected to a measuring sensor or a measuring cell via a cable. As best understood, either the measuring cell or the way of connection to the measuring instrument can be changed using e.g. an adapter. In addition at the device various physical properties can be displayed, such as e.g. pressure, temperature, etc. But

Vinci has no relevance to a multi-function tool including a mechanical hand tool as recited in claim 1.

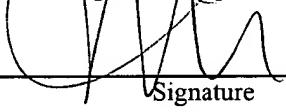
The Myer, Yamaguchi and Tymkewicz references are even less relevant. The first describes a special measuring instrument for eye properties, a so-called ophthalmic clip, and the other two describe temperature measurement instruments.

For all the foregoing reasons, the references taken individually or in combination do not disclose or suggest the invention of claims 1-30.

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Asst. Commissioner for Patents, Washington, D.C. 20231, on November 22, 2002:

James A. Finder

Name of Applicant, assignee or
Registered Representative



Signature

November 22, 2002

Date of Signature

Respectfully submitted,



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APPENDIX A
"CLEAN" VERSION OF EACH PARAGRAPH/SECTION/CLAIM
37 C.F.R. § 1.121(b)(ii) AND (c)(i)

SPECIFICATION:

Replacement for the paragraph beginning at page 1, line 13:

By the DE 3607363 a screwing tool such as specifically a torque meter screw driver is known, at which various tool inserts can be mounted in one handle. It is, thereby, always a matter of screwing tools, i.e. tools with one and the same function. This tool does indeed include additionally a measuring sensor for a determining of the torque generated in the tool, however, for an evaluation and display of the measured value an electrical signal must be transmitted to an externally arranged converter and display device, wherewith the total arrangement can hardly be used as an easily manageable hand tool.

Replacement for the paragraph beginning at page 1, line 20:

2
In the US 4 854 045 a pocket knife is proposed which can be provided modularly differently by means of various units. Modules can be here connected to each other in plugged in manner for instance by means of a dove tail like recess. By means of electrical connecting contacts it is possible to arrange in place of a pure knife containing modules also electronic devices such as for instance a miniature radio. The proposed pocket knife can in no way be understood as a multifunctional tool or household appliance, respectively, in the sense of the present invention.

Replacement for the paragraph beginning at page 1a, line 8:

3
In accordance with the invention it is now proposed to arrange integrally in a multifunctional tool, such as a hand tool, such as for instance a multifunctional pocket knife also measuring and/or entering and display devices which serve for the measuring and/or entering and displaying of a physical value.

Cy

Replacement for the paragraph beginning at page 2, line 17:

Besides this it is obviously possible to foresee the already known function units integrally in a tool, such as a pocket knife, such as for instance a flash light or a watch. In case that a watch is arranged it even is possible or preferred to arrange the time display in the same display which is also suitable for a displaying or announcing, respectively of the respective physical value. Accordingly, the display of the time can also be accessed and displayed, respectively by means of the mentioned menu-device.

Sy

Replacement for the paragraph beginning at page 4, line 9:

Figure 1 illustrates a multifunctional tool in accordance with invention in form of a pocket knife 1, including various mechanical function devices, such as for instance a knife blade 2 which can be swung out, scissors 3 which can be swung out, a rasp 4 which can be swung out, respectively. The pocket knife is covered at both sides by cover plates 6 and 7, which as a rule are made of a plastic material, which however can obviously also be made of wood or metal. The pocket knife is held together by pins or locking bolts 9 and 10 located at its respective ends.

Sy

Replacement for the paragraph beginning at page 4, line 22:

Preferably, several measuring and display units are arranged for instance in the casing 6 whereby obviously parts of the measuring sensors may also be arranged in the casing 7. Because, however, due to reasons of space, as a rule only one display 14 is foreseen, it conclusively is necessary that it is possible to switch between various displays, which may for instance be accomplished by means of a menu device. In order to operate the menu device a pressure sensor is arranged at the illustrated example, which for instance is again arranged in the casing under the illustrated Swiss cross. By a depressing of the "Swiss cross" 16 it is thus possible to switch from the illustrated temperature measuring to the display of the measured air pressure. Additionally it is also possible that for instance upon a prolonged depressing the display switches automatically off and then for instance the time is displayed. Only after a further short depressing a physical value is again displayed in the display 14.

OK

Replacement for the paragraph beginning at page 6, line 3:

Specifically in the case where a plurality of different measuring sensors and possibly also in both covers displays are foreseen it is necessary to arrange in both covers 6 and 7 corresponding measuring sensors, circuits, microchips and similar. Thus it is, however, also important that a current and also a data exchange, as well, can take place between the two covers 6 and 7 which may proceed for instance via the two locking pins 9. It is, however, also possible to arrange between the two locking plates 6 and 7 for instance at the end area an additional cover or connecting plate 43, for the transmission of data and the supply of current. From time to time pocket knives are provided with supporting brackets 41 such to for instance mount a pocket knife to a supporting chain. These supporting brackets can again serve for a transmitting of data and the supply of current.

OK

Replacement for the paragraph beginning at page 6, line 13:

Figure 5 illustrates simplified a swung out weighing element 51 onto which a weight can be hung.

Replacement for the paragraph beginning at page 6, line 18:

Figure 7 illustrates a pocket knife 1 in which a weighing cell 55 responding to pressure is arranged in one of the two covers. Thus, the pocket knife 1 may be placed onto a support 52 and an article 57 to be weighed may be placed onto the pocket knife. Because in the illustrated illustration in Fig. 7 no display is visible it makes sense to store the measured value such that the measured weight becomes visible upon a removing of the article 57.

Replacement for the paragraph beginning at page 7, line 4:

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Fig. 8a illustrates in perspective a pocket knife 61 onto which a cover 63 can be plugged by means of recesses 64 in the pocket knife and corresponding plugging pins 65 in the cover. The plug connection can be such that upon a plugging the pins 65 engage the recesses 64 such that a firm connection is produced. Quite obviously snap on connections can be chosen in place of

Only by a belt
plug in connections, a screw connection or even an adhering connection, by means of a so called velcro fastener.

Replacement for the paragraph beginning at page 8, line 3:

011
A further example consists in the arranging of a so called ELT (=Emergency Localisation Transmitter) whereby by means of an emitted signal a person for instance at an emergency can be localized. The radiation-measuring device, access control circuit and ELT are illustrated schematically at 70 in Fig. 8a.

Replacement for the paragraph beginning at page 8, line 6:

Similar
Similarly, a further similar embodiment variant of the pocket knife as shown in Fig. 2 is illustrated in Fig. 8b, similar in that here a cover 73 can be plugged onto a pocket knife 71 by means of pins 76 and corresponding recesses 75. It is, thereby, for instance possible that the pins 76 can be depressed such that the cover can easily be removed from the pocket knife 71. Again, a display 77 can be recognized and now, different from the embodiment in Fig. 8, an infrared emitter 79 is provided in order to for instance transmit data by means of infrared or other suitable wireless transmitting techniques to a data storing or evaluating medium, such as for instance a PC. Finally recognizable is a menu selecting switch device 78 in order to switch between different measuring and display menus. It is not necessary to enter further into the functioning of the pocket knife illustrated in Fig. 8b because it is analogous to the one of the tool illustrated in Fig. 8a. It shall be mentioned merely that the connection area for data logger function foreseen in Fig. 8a allows a wireless transmitting of data such as for instance inductively, without any visible contacts, capacitatively or purely telemetrically i.e. via a wireless frequency. Obviously it is also possible to arrange at the cover housing, such as by the way also integrally at the pocket knife itself, an antenna which can be plugged in or screwed on in order to transmit data.

OK

GDG

Woot

Cx4

Surf

Replacement for the paragraph beginning at page 8, line 23:

In Fig. 9, finally, a further multifunctional tool 81 is illustrated, containing for instance two legs of pliers 83 which can be pivoted outwards, which each can be swung into a tool leg 82 and 84, respectively pivotally around the axis 85. The two tool legs 82 and 84 themselves can obviously also be pivoted around the axis 85 towards each other in order to form a compact, easily storable or transportable tool. Again illustrated in the two legs 82 and 84 are a display 87 and a connection socket 89, as well which serves as the interface area for the transmission data. All matters and display and measuring, respectively, devices described and illustrated in the preceding Figures 1 to 8 can obviously be arranged and integrates, respectively in a tool which corresponds to the one illustrated in Fig. 9. Fig. 9 serves merely to illustrate that the present invention is by no means restricted to pocket knives, but that the arranging of the described inventive display and measuring devices and of the evaluation elements belonging thereto may be arranged in any kind of tool, such as specifically a manual tool.

CLAIMS:

AMENDED 1. Multifunctional tool (1, 61, 71, 81) comprising at least one mechanical hand tool in combination with at least one measuring and display device (12, 14, 67, 77, 87) for measuring and displaying at least one physical value, arranged integrally with the hand tool (1). *removable* } cl. 15-16

AMENDED 2. Tool according to claim 1, wherein said measuring and display device comprises at least

- one measuring sensor for measuring said physical value,
- a converter for converting the measured value into an electrical signal,
- a microprocessor for converting the electrical signal into a standardized physical unit, and

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a display of the measured physical value in terms of said unit.

TWICE AMENDED 3. Tool according to claim 1, further comprising at least one storage device for the storing of the measured value.

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TWICE AMENDED 4. Tool according to claim 1, characterized in that the measuring and display device (12, 14, 67, 77, 87) comprises one or more of an altitude measuring device, compass, barometer, thermometer, hygrometer, speed measuring device, anemometer, a scale measuring device for radioactive radiation and a satellite navigation device.

WT

~~TWICE AMENDED~~ 5. Tool according to claim 1, comprising a plurality of measuring devices for measuring a corresponding plurality of physical values, and a menu circuit for selecting the respective measuring and displaying of a given desired physical value.

Shows

TWICE AMENDED 6. Tool according to claim 1, characterized in that the display (14, 67, 77, 87) is an LCD (Liquid Crystal Display) display.

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TWICE AMENDED 7. Tool according to claim 1, characterized in that further a watch is arranged integrally in the tool, and a time display is located at the display for displaying the physical value.

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TWICE AMENDED 8. Tool according to claim 1, characterized in that the measuring and display device can be switched on or off. *Tun*

Type

TWICE AMENDED 9. Tool according to claim 2, characterized in that a weighing device is arranged to be able to be pulled out or swung out of the tool.

TWICE AMENDED 10. Tool according to claim 2, comprising an awl (37) having a tip at which a temperature feeler (39) is located.

Turn

TWICE AMENDED 11. Tool according to claim 5, further comprising a pressure sensor (16) for operating the menu circuit.

TWICE AMENDED 12. Tool according to claim 1, characterized in that a power supply for the measuring and display device comprises at least one of a battery and a solar cell. 5467656

TWICE AMENDED 13. Tool according to claim 1, characterized in that the tool has an interface (69, 79, 89) which permits input of data into the measuring and display device and transmission of data from the measuring and display device. *comprising* 7

AMENDED 14. Tool according to claim 13, characterized in that the interface is capable of transmission of data by at least one of cable transmission, wireless data transfer, and optical data transfer.

TWICE AMENDED 15. Tool according to claim 1, characterized in that the measuring and display device is releasably arranged on the tool. 5467656

TWICE AMENDED 16. Tool according to claim 2, characterized in that parts including the display, electronics, and measuring sensor of the measuring and display device are mounted integrally to the tool and said parts are removably arranged on the tool. 5467656

TWICE AMENDED 17. Tool according to claim 1, wherein the tool is a pocket knife, including at least one casing and a cover on the casing, in which casing a number of tools are located.

TWICE AMENDED 18. Tool according to claim 1, comprising at least two casing parts or covers (6, 7, 31, 33, 63, 73, 82, 84), which are interconnected by means (9, 10, 35, 41, 43, 64, 65, 75, 76, 85) for transmission of current and exchange of data, respectively.

AMENDED 19. Tool according to claim 18, characterized in that the means comprise at least one of pins (9, 10, 35, 41, 43, 64, 65, 75, 76, 85), plate like elements (43) or ring shaped elements(41). *5467658?*

Subj. Mat. Comp.
TWICE AMENDED 20. Tool according to claim 1, characterized in that a weighing cell (55) for responding to a measured pressure is located integrally in the tool.

Subj. Mat. Comp.
TWICE AMENDED 21. Tool according to claim 1, characterized in that the tool is a multifunctional hand tool. *5467656*

TWICE AMENDED 22. Tool according to claim 1, further comprising a sending member for sending a localizing signal in order to localize a person carrying the tool, said sending member comprising an ELT (Emergency Localisation Transmitter).

TWICE AMENDED 23. Tool according to claim 1, further comprising an access control member in the tool, said access control member comprising an Access-Control-Circuit.

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NEW 24. Tool according to claim 1, further characterized in that a flash light is arranged integrally in the tool. *5313376*

Subj. Mat. Comp.
NEW 25. Tool according to claim 8, wherein said measuring and display device switches off *Temp.* automatically after a predetermined period of time.

Subj. Mat. Comp.
NEW 26. Tool according to claim 15, wherein said measuring and display device is arranged on the tool by one of a snap, a screw, a plug, an adhesive, a clamp, and a hook-and-loop connector. *5467656*

NEW 27. Tool according to claim 17, wherein said cover is integrally mounted on the casing.

Substantially identical

NEW 28. Tool according to claim 17, where said cover is releasably mounted on the casing.

NEW 29. Tool according to claim 17, wherein said at least one display device is mounted on the cover.

NEW 30. Tool according to claim 17, wherein said at least one display device is mounted on the casing.

ABSTRACT

C16
The invention relates to a multifunctional tool such as, for example, a multifunctional pocket knife which is characterized by having at least one measuring and display device (12, 14) for measuring and displaying a physical value.

APPENDIX B
VERSION WITH MARKINGS TO SHOW CHANGES MADE
37 C.F.R. § 1.121(b)(iii) AND (c)(ii)

SPECIFICATION:

Paragraph at page 1, lines 13-19:

By the DE 3607363 a screwing tool such as specifically a torque meter screw driver is known, at which various tool inserts can be mounted in one handle. It is, thereby, always a matter of screwing tools, i.e. tools with one and the same function. This tool does indeed include additionally a measuring sensor for a determining of the torque generated in the tool, however, for an evaluation and display of the measured value an electrical signal must be transmitted to [a] an externally arranged converter and display device, wherewith the total arrangement can hardly be used as an easily manageable hand tool.

Paragraph at page 1, line 20 to page 1a, line 3:

In the US 4 854 045 a pocket knife is proposed which can be provided modularly differently by means of various units. Modules can be here connected to each other in plugged in manner for instance by means of a dove tail like recess. By means of electrical connecting contacts it is possible to arrange in place of a pure knife containing modules also electronic devices [tools] such as for instance a miniature radio. The proposed pocket knife can in no way be understood as a multifunctional tool or household appliance, respectively, in the sense of the present invention.

Paragraph at page 1a, lines 8-12:

In accordance with the invention it is now proposed to arrange integrally in a multifunctional tool, such as a hand tool, such as for instance a multifunctional pocket knife also measuring and/or entering and display devices which serve for the [measuring and/or entering and display devices which serve for the] measuring and/or entering and displaying of a physical value.

Paragraph at page 2, lines 17-22:

Besides this it is obviously possible to foresee the already known function units integrally in a tool, such as [such] a pocket knife, such as for instance a flash light or a watch. In case that a watch is arranged it even is possible or preferred to arrange the [tinc] time display in the same display which is also suitable for a displaying or announcing, respectively of the respective physical value. Accordingly, the display of the time can also be accessed and displayed, respectively by means of the mentioned menu-device.

Paragraph at page 4, lines 9-15:

Figure 1 illustrates a multifunctional tool [toll] in accordance with invention in form of a pocket knife 1, including various mechanical function devices, such as for instance a knife blade 2 which can be swung out, scissors 3 which can be swung out, a rasp 4 which can be swung out, respectively. The pocket knife is covered at both sides by cover plates 6 and 7, which as a rule are made of a plastic material, which however can obviously also be made of wood or metal. The pocket knife is held together by pins or locking bolts 9 and 10 located at its respective ends.

Paragraph at page 4, lines 22 to page 5, line 9:

Preferably, several measuring and display units are arranged for instance in the casing 6 whereby obviously [a] parts of the measuring sensors may also be arranged in the casing 7. Because, however, due to reasons of space, as a rule only one display 14 is foreseen, it conclusively is necessary that it is possible to switch between various displays, which may for instance be accomplished [es] by means of a menu device. In order to operate the menu device a pressure sensor is arranged at the illustrated example, which for instance is again arranged in the casing under the illustrated Swiss cross. By a depressing of the "Swiss cross" 16 it is thus possible to switch from the illustrated temperature measuring to the display of the measured air pressure. Additionally it is also possible that for instance upon a prolonged depressing the display switches automatically off and [than] then for instance the time is displayed. Only after a further short depressing a physical value is again displayed in the display 14.

Paragraph at page 6, lines 3-12:

Specifically in the case where a plurality of different measuring sensors and possibly also in both covers displays are foreseen it is necessary to arrange in both covers 6 and 7 corresponding measuring sensors, circuits, microchips and similar. Thus it is, however, also important that a current and also a data exchange, as well, can take place between the two covers 6 and 7 which may proceed for instance via the two locking pins 9. It is, however, also possible to arrange between the two locking plates 6 and 7 for instance at the end area [a] an additional cover or connecting plate 43, for the transmission of data and the supply of current. From time to time pocket knives are provided with supporting brackets 41 such to for instance mount a pocket knife to a supporting chain. These supporting brackets can again serve for a transmitting of data and the supply of current.

Paragraph at page 6, lines 13-14:

Figure 5 illustrates simplified a swung out weighing element 51 [52] onto which a weight can be hung.

Paragraph at page 6, lines 18-23:

Figure 7 illustrates a pocket knife 1 in which a weighing cell 55 responding to pressure is arranged in one of the two covers. Thus, the pocket knife 1 may be placed onto a support 52 and [a] an article 57 to be weighed may be placed onto the pocket knife. Because in the illustrated illustration in Fig. 7 no display is visible it makes sense to store the measured value such that the measured weight becomes visible upon a removing of the article 57.

Paragraph at page 7, lines 4-9:

Fig. 8a [8] illustrates in perspective a pocket knife 61 onto which a cover 63 can be plugged by means of recesses 64 in the pocket knife and corresponding plugging pins 65 in the cover. The plug connection can be such that upon a plugging the pins 65 engage the recesses 64 such that a firm connection is produced. Quite obviously snap on connections can be chosen in place of

plug in connections, a screw connection or even [a] an adhering connection, by means of a so called velcro fastener.

Paragraph at page 8, lines 3-5:

A further example consists in the arranging of a so called ELT (=Emergency Localisation Transmitter) whereby by means of an emitted signal a person for instance at [a] an emergency can be localized. The radiation-measuring device, access control circuit and ELT are illustrated schematically at 70 in Fig. 8a.

Paragraph at page 8, lines 6-22:

Similarly, a further similar embodiment variant of the pocket knife as shown in Fig. 2 is illustrated in Fig. 8b, similar in that here a cover 73 can be plugged onto a pocket knife 71 by means of pins 76 and corresponding recesses 75. It is, thereby, for instance possible that the pins 76 can be depressed such that the cover can easily be removed from the pocket knife 71. Again, a display 77 can be recognized and now, different from the embodiment in Fig. 8, [a] an infrared emitter [sensor] 79 is provided in order to for instance transmit data by means of infrared or other suitable wireless transmitting techniques to a data storing or evaluating[, respectively,] medium, such as for instance a PC. Finally recognizable is a menu selecting switch device 78 in order to switch between different measuring and display menus. It is not necessary to enter further into the [kind of the] functioning of the pocket knife illustrated in Fig. 8b because it is [analogue] analogous to the one of the tool illustrated in Fig. 8a. It shall be mentioned merely that the connection area for data logger function foreseen in Fig. 8a allows a wireless transmitting of data such as for instance inductively, without any visible contacts, capacitatively or purely telemetrically i.e. via a wireless frequency. Obviously it is also possible to arrange at the cover housing, such as by the way also integrally at the pocket knife itself, [a] an antenna which can be plugged in or screwed on in order to transmit data.

Paragraph at page 8, line 23 to page 9, line 8:

In Fig. 9, finally, a further multifunctional tool 81 is illustrated, containing for instance two legs of pliers [plies] 83 which can be pivoted outwards, which each can be swung into a tool leg 82 and 84 [83], respectively pivotally around the axis 85. The two tool legs 82 and 84 themselves can obviously also be pivoted around the axis 85 towards each other in order to form a compact, easily storable or transportable tool. Again illustrated in the two legs 82 and 84 are a display 87 and a connection socket 89, as well which serves as the interface area for the transmission data. All matters and display and measuring, respectively, devices described and illustrated in the [proceeding] preceding Figures 1 to 8 can obviously be arranged and integrates, respectively in a tool which corresponds to the one illustrated in Fig. 9. Fig. 9 serves merely to illustrate that the present invention is by no means restricted to pocket knives, but that the arranging of the described inventive display and measuring devices and of the evaluation elements belonging thereto may be arranged in any kind of tool, such as specifically a manual tool.

CLAIMS:

AMENDED 1. Multifunctional tool (1, 61, 71, 81) [characterized by] comprising at least one mechanical hand tool in combination with at least one measuring [, entering] and display device (12, 14, 67, 77, 87) for measuring and displaying [various physical measure values arranged integrally in or at the tool (1) or by several measuring, entering and display devices (12, 14, 67, 77, 87) for] at least one physical [measure] value, arranged integrally with [in or at] the hand tool (1) [, and by one menu device by means of which it is possible to select the desired display among the various physical measure values].

AMENDED 2. Tool according to claim 1, [characterized by] wherein said measuring and display device comprises at least

- one measuring sensor for [a] measuring said [of a] physical value [and/or a entering member for a entering of a physical value],

- a converter for converting the measured [and/or entered] value into an [a] electrical signal,
- a microprocessor for [a] converting [of] the electrical signal into a standardized physical unit, and [as well as]
- a display of the measured [and/or entered] physical value in terms of said [the corresponding] unit.

TWICE AMENDED 3. Tool according to claim 1, further comprising [characterized in that] at least one storage device [storing medium is foreseen] for the storing of the measured value [and possibly converted, respectively measuring values].

TWICE AMENDED 4. Tool according to claim 1, characterized in that the measuring and display device (12, 14, 67, 77, 87) comprises one or more of an [is a] altitude measuring device, compass, barometer, thermometer, hygrometer, speed measuring device, anemometer, a scale, a measuring device for radioactive radiation and a [and/or] satellite navigation device..

TWICE AMENDED 5. Tool according to claim 1, comprising [characterized in that a so called menu circuit (16, 78) is foreseen in order to activate in case of] a plurality of measuring devices for measuring a corresponding plurality of physical values, and a menu circuit for selecting the respective measuring and displaying of a given desired physical value.

TWICE AMENDED 6. Tool according to claim 1, characterized in that the display (14, 67, 77, 87) is an [a so called] LCD (Liquid Crystal Display) display.

TWICE AMENDED 7. Tool according to claim 1, characterized in that further a watch [and/or a flash light] is arranged integrally in the tool, and a [a tool casing, whereby preferably the] time display is located at [or in, respectively] the display for displaying the physical value.

TWICE AMENDED 8. Tool according to claim 1, characterized in that the measuring and display device can be switched on or off [, whereby preferably the switching off occurs automatically after a certain preset time].

TWICE AMENDED 9. Tool according to claim 2, characterized in that a weighing device is arranged to be able to be pulled out or swung out of the tool [pocket knife].

TWICE AMENDED 10. Tool according to claim 2, comprising an [characterized in that a] awl (37) having a [is foreseen on the] tip at [of] which a temperature feeler (39) is located [, for instance in order to measure the temperature inside of meat during a grilling in order to determine how far the roasting or cooking process has advanced].

TWICE AMENDED 11. Tool according to claim 5, [characterized in that] further comprising a pressure sensor (16) for operating the menu circuit [device is foreseen].

TWICE AMENDED 12. Tool according to claim 1, characterized in that a [the] power supply for the measuring and display device comprises at least one of [proceeds by means of] a battery and [and/or of] a solar cell.

TWICE AMENDED 13. Tool according to claim 1, characterized in that the tool has an [a] interface (69, 79,89) [is foreseen in or at the tool in order to input] which permits input of data into the measuring and display device and transmission of [to transmit] data from [same, respectively] the measuring and display device.

AMENDED 14. Tool according to claim 13, characterized in that the interface is capable of [suitable for the] transmission of data by at least one of [means of a] cable transmission, [as well as for the data transfer for the] wireless data transfer, and optical data transfer [such as optically, by wireless, etc.].

TWICE AMENDED 15. Tool according to claim 1, characterized in that the measuring and display device is releasably [releasable] arranged on [at] the tool [, e.g. by means of a snap on, screwed, plugged, adhering or clamped connection].

TWICE AMENDED 16. Tool according to claim 2, characterized in that parts including [parts, such as e.g.] the display, [the] electronics, and [or the] measuring sensor of the measuring and display device are mounted integrally [integral] to the tool and said [the] parts are removably [removable] arranged on the tool.

TWICE AMENDED 17. Tool according to claim 1, wherein the tool is a pocket knife, including at least one casing and a [integral or releasable] cover on the casing, in [,in or at] which casing a number of tools are located [, and in which cover and/or in which casing the at least one display device (14, 67, 77) for a physical value is located].

TWICE AMENDED 18. Tool according to claim 1, comprising [characterized in that] at least two casing parts or covers (6, 7, 31, 33, 63, 73, 82, 84) [are foreseen], which are interconnected by [suitable] means (9,10, 35, 41, 43, 64, 65, 75, 76, 85) for [the] transmission of current and [the] exchange of data, respectively.

AMENDED 19. Tool according to claim 18, characterized in that the [transmission] means comprise at least one of [are] pins (9, 10, 35, 41, 43, 64, 65, 75, 76, 85), plate like elements (43) or ring shaped elements(41).

TWICE AMENDED 20. Tool according to claim 1, characterized in that a weighing cell (55) for responding to a measured pressure is located integrally in the tool.

TWICE AMENDED 21. Tool according to claim 1, characterized in that the tool [it] is a multifunctional hand tool [such as pliers, a clamp, a knife and similar].

• TWICE AMENDED 22. Tool according to claim 1, further comprising [characterized in that] a sending member for sending [a sending of] a localizing signal in order to localize a person carrying the tool [is arranged, such as a so called], said sending member comprising an ELT (Emergency Localisation Transmitter).

TWICE AMENDED 23. Tool according to claim 1, further comprising an [characterized in that a] access control member [is foreseen] in [or at] the tool, said access control member comprising an [such as a so called] Access-Control-Circuit.